



**US Army Corps
of Engineers®**



Keweenaw Waterway, MI

Harbor Features

- Located in the Keweenaw Peninsula of the upper peninsula of Michigan, between Keweenaw Bay and Lake Superior. The west, upper entrance is 169 miles east of Duluth, MN and the east, lower entrance is approximately 60 miles west of Marquette, MI.
- Authorization: River & Harbor Acts of 3 Mar 1865, 3 Jul 1866, 10 Apr 1869, 2 Mar 1871, 27 Mar 1872, 3 Mar 1873, 5 Aug 1886, 19 Sep 1890, 15 Mar 1898, 25 Jun 1910, 2 Mar 1919, 30 Aug 1935.
- Deep draft commercial harbor.
- Project depth of 32 feet in the upper entrance channel, 28 feet in the lower entrance channel, and 25 feet in the interior channel.
- 2,000 tons of material shipped or received in 2004.
- Over 24,300 feet of structures including breakwaters, piers, and revetments.
- Over 18 miles of maintained channels.
- The Keweenaw Waterway Confined Disposal Facility has adequate capacity for at least the next 25 years of dredging.
- Major stakeholders include U.S. Coast Guard, Lake Carriers' Association, UP Power, and Canadian National.

Project Needs

- Approximately 25,000 to 35,000 cubic yards of material must be dredged on a 10 to 20 year cycle; the harbor was last dredged in 1994.
- Lower entry concrete pier will need to be repaired in FY10. Due to cost considerations, the breakwater may have to be repaired in phases over several years.
- Concrete and ice plate repairs will need repair on lower entry in FY10. Due to cost considerations, the breakwater may have to be repaired in phases over several years.
- Rubble mound at upper entry needs repair.



Project Needs (cont.)

- Navigation structures are primarily maintained by Government floating plant.

Consequences of Not Maintaining the Project

- Significant loss of jobs locally.
- Light loading associated with inadequate maintenance dredging, increasing vessel transportation costs.

Transportation Importance

- Locally significant receiving and shipping port and harbor of refuge on the Great Lakes.
- Commodities shipped or received include numerous varieties of products and materials.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2008, 2009 and 2010
Keweenaw Waterway, MI
Project Needs and President's Budget (\$1,000)**

Work Package	FY08 Need	FY08 Allocation	FY09 Need	FY09 President's Budget	FY10 Need	FY10 Budget*
Project Condition Surveys	45	15	50		52	
Maintenance Dredging – Primary Work Package						
Maintenance Dredging – Backlog Work Package			611		611	
Repair Breakwater – by Govt. Floating Plant	450	91	420		420	
Engineering & Design – Upper Entry			100		100	
Engineering & Design – Lower Entry			250		250	
Upper entry rubble mound repairs			1,000		1,000	
Lower Entry Concrete and Ice Plate Repair - by Contract					1,000	
Lower Entry rubble mound Repair - by Contract					1,000	
Other Business Lines:						
Recreation	15	15	11	11	11	
Environmental Stewardship			75	75	46	
TOTALS	510	121	2,517	86	4,490	

*FY10 President's Budget will be available in February 2009.

Congressional Interests

- Representative Bart Stupak D-MI-1
- Senator Carl Levin D-MI
- Senator Debbie Stabenow D-MI